

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010821\  
 Data File : BF122953.D  
 Acq On : 8 Jan 2021 21:36  
 Operator : JU/CG  
 Sample : M1044-11  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-11

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010721.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122953.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.222       | 17            | 23          | 30           | rVB      | 499900         | 641331        | 16.06%          | 1.964%        |
| 2         | 2.334       | 36            | 42          | 47           | rVB3     | 53315          | 80157         | 2.01%           | 0.245%        |
| 3         | 5.140       | 510           | 519         | 525          | rBV      | 427173         | 500297        | 12.53%          | 1.532%        |
| 4         | 5.534       | 581           | 586         | 589          | rBV      | 3784335        | 3466577       | 86.80%          | 10.615%       |
| 5         | 6.534       | 750           | 756         | 759          | rBV      | 3705451        | 3701841       | 92.70%          | 11.335%       |
| 6         | 6.916       | 817           | 821         | 824          | rBV      | 1544251        | 1149751       | 28.79%          | 3.521%        |
| 7         | 7.475       | 909           | 916         | 919          | rBV      | 2663051        | 2328368       | 58.30%          | 7.130%        |
| 8         | 8.198       | 1035          | 1039        | 1042         | rBV      | 1838207        | 1477775       | 37.00%          | 4.525%        |
| 9         | 9.275       | 1218          | 1222        | 1226         | rBV      | 4461074        | 3993568       | 100.00%         | 12.229%       |
| 10        | 9.363       | 1232          | 1237        | 1243         | rBV3     | 94458          | 128366        | 3.21%           | 0.393%        |
| 11        | 9.669       | 1286          | 1289        | 1293         | rBV      | 171045         | 157865        | 3.95%           | 0.483%        |
| 12        | 9.757       | 1302          | 1304        | 1312         | rVB2     | 44735          | 48852         | 1.22%           | 0.150%        |
| 13        | 9.892       | 1322          | 1327        | 1329         | rVB2     | 53176          | 51904         | 1.30%           | 0.159%        |
| 14        | 9.957       | 1332          | 1338        | 1342         | rBV      | 1914391        | 1609405       | 40.30%          | 4.928%        |
| 15        | 10.392      | 1410          | 1412        | 1415         | rVB      | 66818          | 45858         | 1.15%           | 0.140%        |
| 16        | 10.745      | 1468          | 1472        | 1475         | rBV      | 2349498        | 1944503       | 48.69%          | 5.954%        |
| 17        | 10.869      | 1490          | 1493        | 1501         | rVB3     | 76754          | 110751        | 2.77%           | 0.339%        |
| 18        | 11.316      | 1565          | 1569        | 1572         | rVV3     | 62941          | 78815         | 1.97%           | 0.241%        |
| 19        | 11.345      | 1572          | 1574        | 1580         | rVB2     | 44390          | 54742         | 1.37%           | 0.168%        |
| 20        | 11.451      | 1588          | 1592        | 1594         | rBV      | 1616547        | 1451166       | 36.34%          | 4.444%        |
| 21        | 11.469      | 1594          | 1595        | 1598         | rVV      | 177377         | 135134        | 3.38%           | 0.414%        |
| 22        | 11.522      | 1602          | 1604        | 1608         | rVB      | 57060          | 48966         | 1.23%           | 0.150%        |
| 23        | 11.675      | 1626          | 1630        | 1632         | rBV      | 42024          | 49009         | 1.23%           | 0.150%        |
| 24        | 11.975      | 1678          | 1681        | 1685         | rVB2     | 93456          | 106356        | 2.66%           | 0.326%        |
| 25        | 12.063      | 1693          | 1696        | 1699         | rBV2     | 45061          | 56570         | 1.42%           | 0.173%        |
| 26        | 12.280      | 1729          | 1733        | 1736         | rVB      | 49954          | 62417         | 1.56%           | 0.191%        |
| 27        | 12.439      | 1756          | 1760        | 1765         | rBV      | 277750         | 256489        | 6.42%           | 0.785%        |
| 28        | 12.492      | 1766          | 1769        | 1774         | rVV2     | 84237          | 97367         | 2.44%           | 0.298%        |
| 29        | 12.533      | 1774          | 1776        | 1783         | rVV3     | 64784          | 98173         | 2.46%           | 0.301%        |
| 30        | 12.663      | 1795          | 1798        | 1801         | rBV      | 381635         | 344085        | 8.62%           | 1.054%        |
| 31        | 12.892      | 1832          | 1837        | 1840         | rBV      | 354879         | 361991        | 9.06%           | 1.108%        |
| 32        | 13.039      | 1858          | 1862        | 1866         | rBV      | 3784160        | 3476071       | 87.04%          | 10.644%       |
| 33        | 13.327      | 1909          | 1911        | 1918         | rVB3     | 48751          | 61606         | 1.54%           | 0.189%        |
| 34        | 13.939      | 2012          | 2015        | 2023         | rBV      | 505745         | 491372        | 12.30%          | 1.505%        |
| 35        | 14.098      | 2037          | 2042        | 2045         | rBV      | 1689765        | 1722578       | 43.13%          | 5.275%        |
| 36        | 14.121      | 2045          | 2046        | 2051         | rVB      | 210863         | 140750        | 3.52%           | 0.431%        |

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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010721.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 14.968 | 2188 | 2190 | 2195 | rVB2 | 118437  | 125774  | 3.15%  | 0.385% |
| 38 | 15.151 | 2218 | 2221 | 2224 | rBV  | 172220  | 245854  | 6.16%  | 0.753% |
| 39 | 15.463 | 2271 | 2274 | 2280 | rVB  | 161528  | 203411  | 5.09%  | 0.623% |
| 40 | 15.521 | 2282 | 2284 | 2289 | rVB  | 134501  | 155397  | 3.89%  | 0.476% |
| 41 | 15.592 | 2292 | 2296 | 2300 | rVV  | 1164613 | 1396304 | 34.96% | 4.276% |

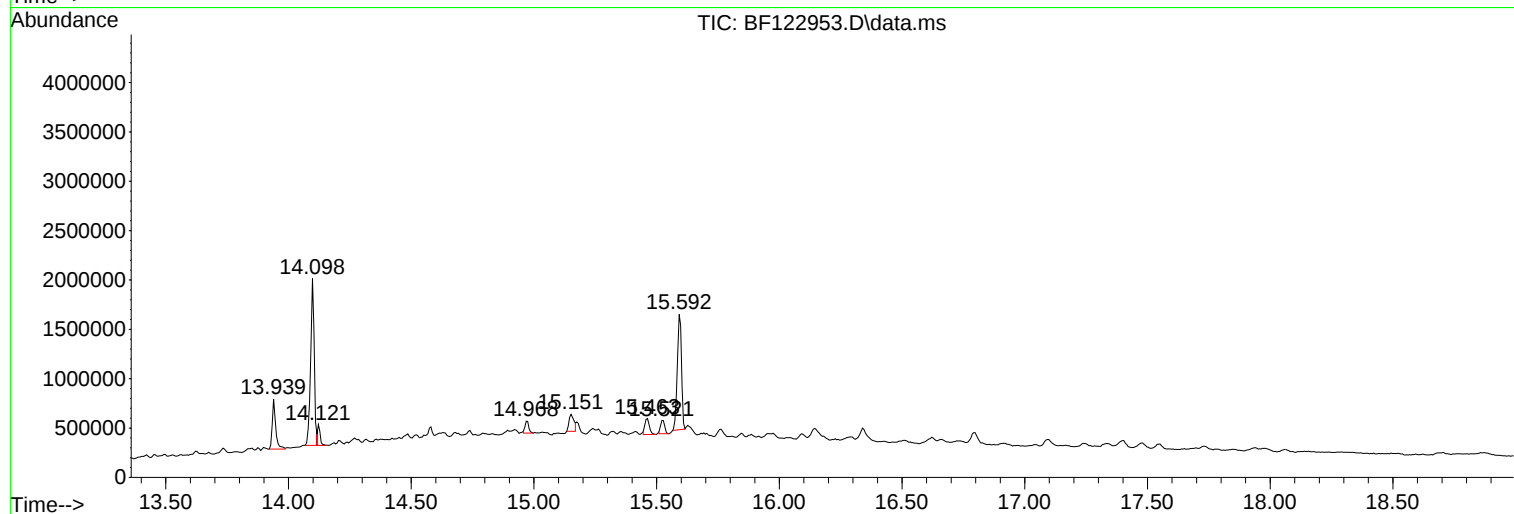
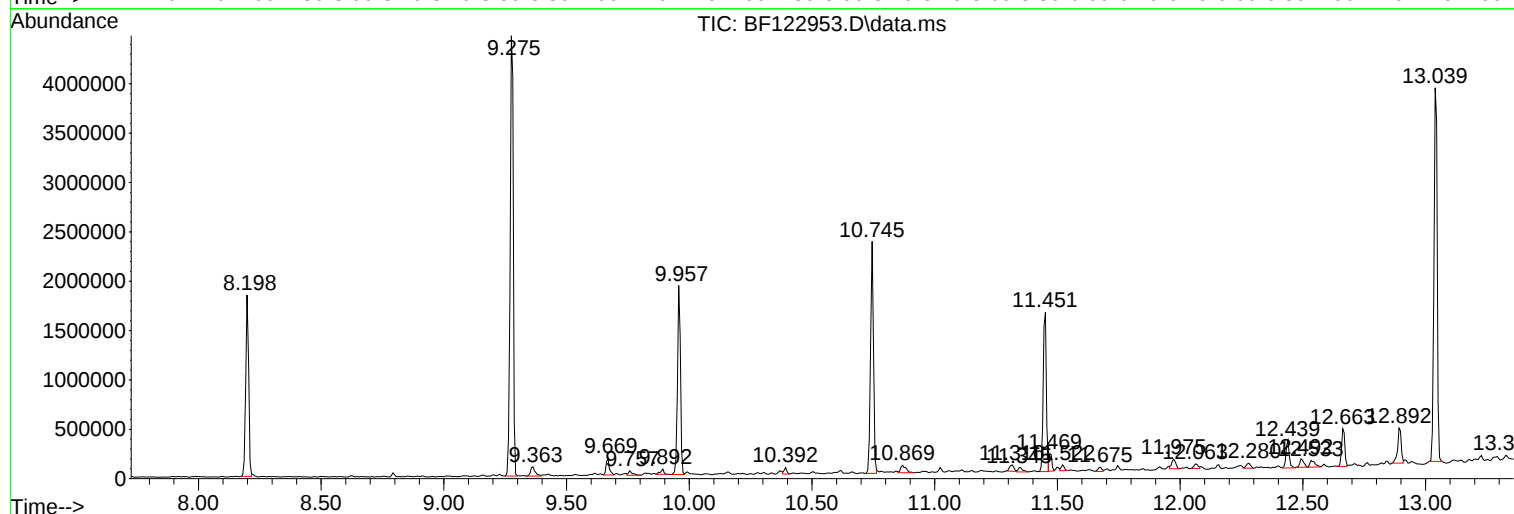
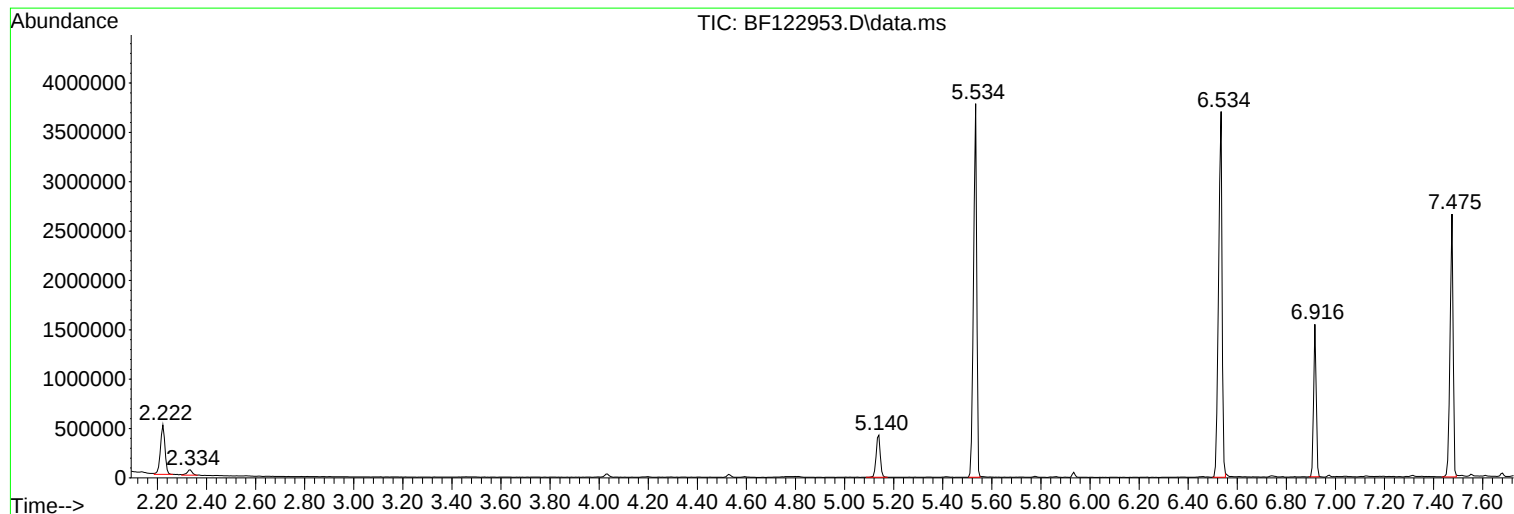
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Sample : M1044-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
TP-11

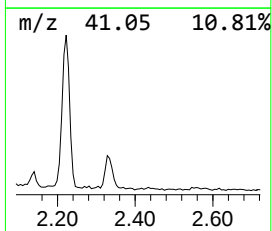
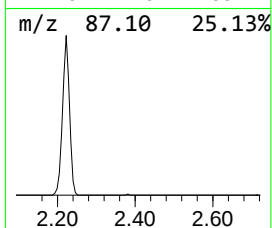
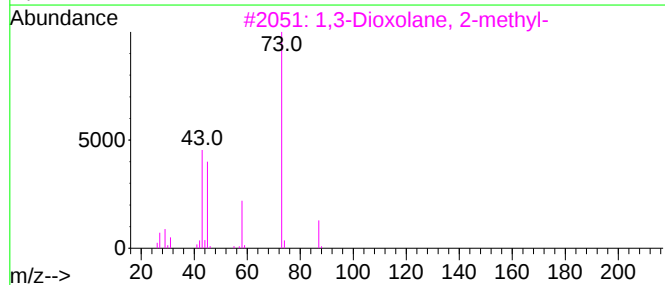
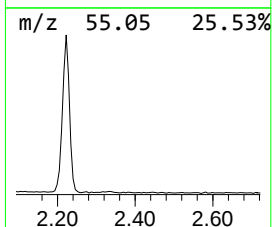
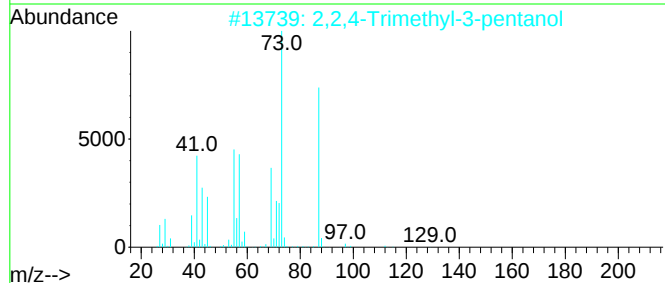
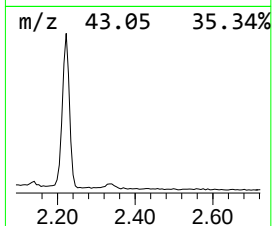
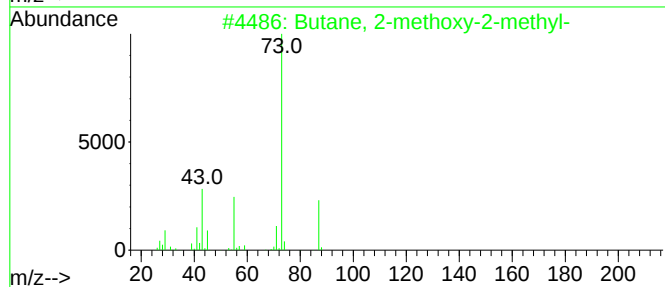
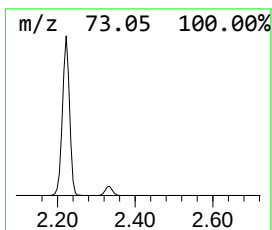
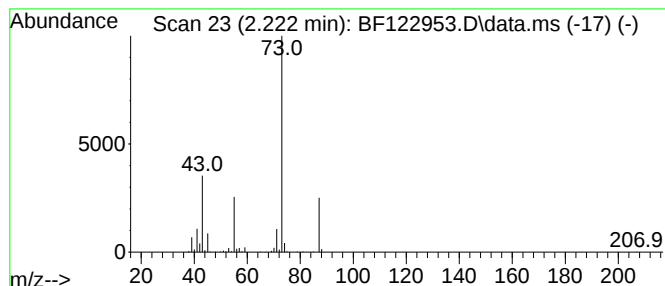
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 2.222 | 11.16 ng | 641331 | 1,4-Dichlorobenzene-d4 | 6.916 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |



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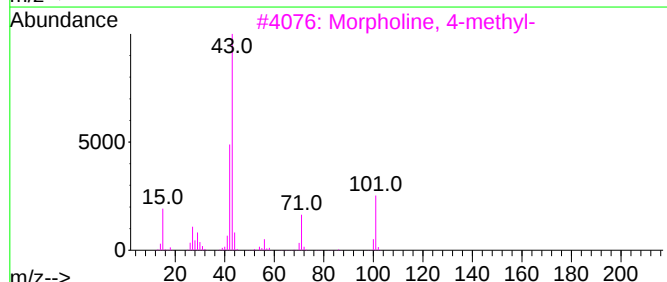
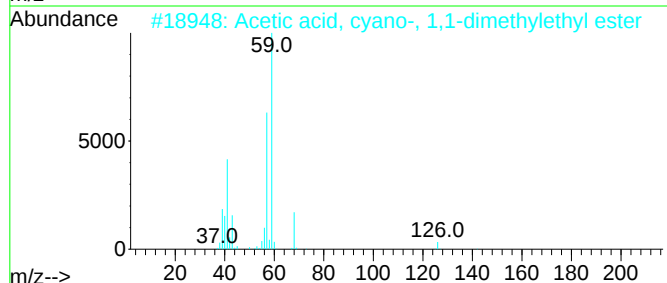
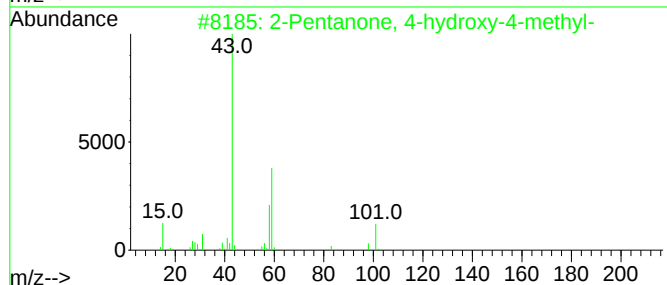
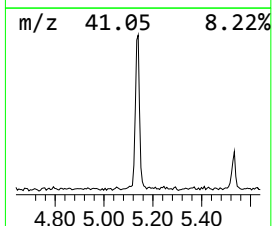
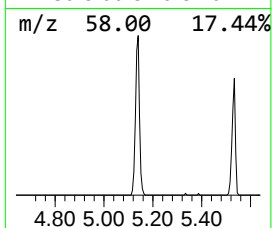
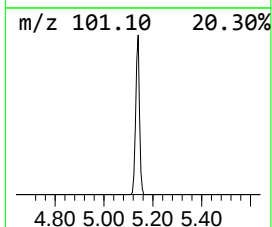
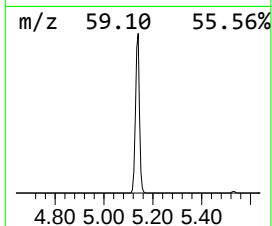
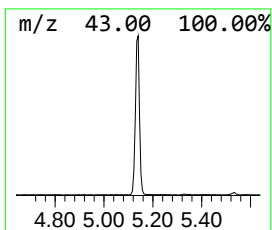
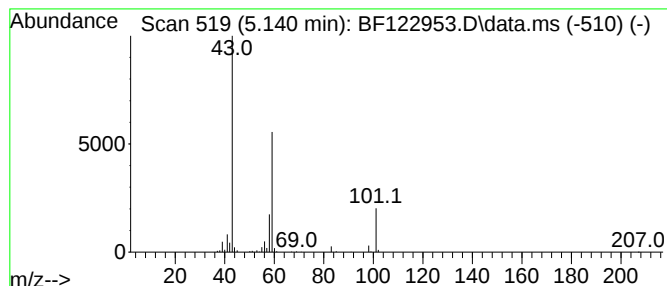
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.140 | 8.70 ng | 500297 | 1,4-Dichlorobenzene-d4 | 6.916 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |
| 4    |    |   | Acetone                             | 58  | C3H6O    | 000067-64-1 | 9    |
| 5    |    |   | Propane, 2-ethoxy-2-methyl-         | 102 | C6H14O   | 000637-92-3 | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
TP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

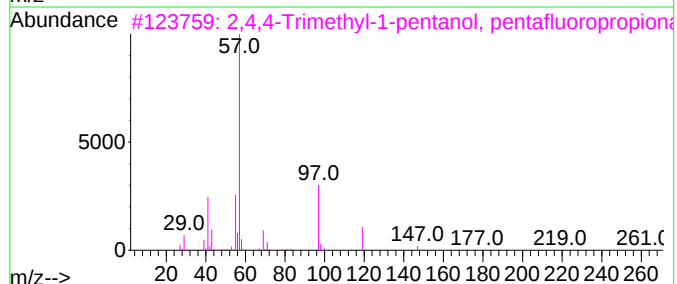
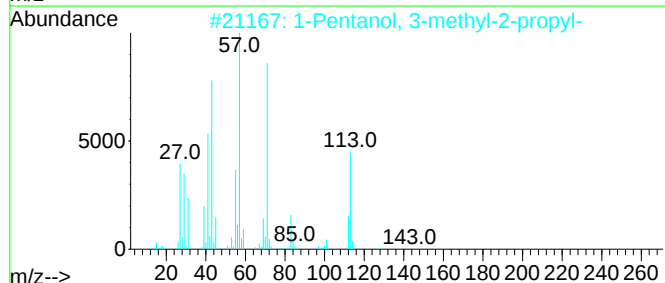
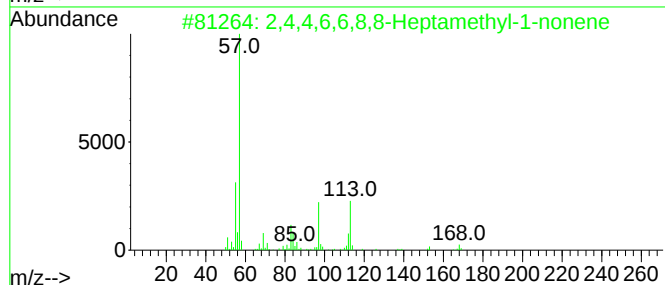
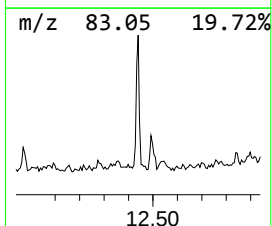
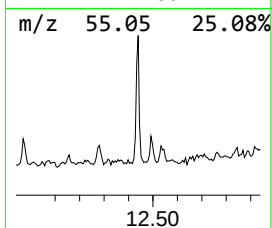
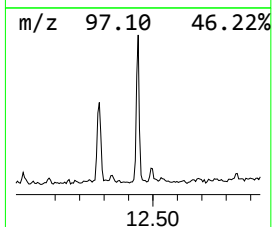
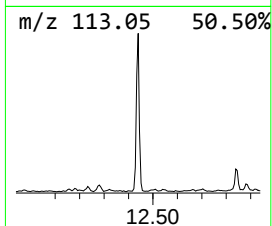
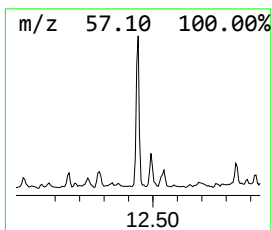
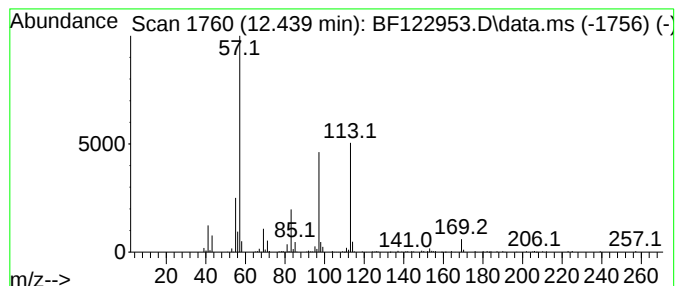
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.439 | 3.53 ng | 256489 | Phenanthrene-d10 | 11.451 |

| Hit# | of 5                                | Tentative ID | MW         | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|------------|--------------|------|------|
| 1    | 2,4,4,6,6,8,8-Heptamethyl-1-nonene  | 224          | C16H32     | 015796-04-0  | 64   |      |
| 2    | 1-Pentanol, 3-methyl-2-propyl-      | 144          | C9H20O     | 054004-40-9  | 38   |      |
| 3    | 2,4,4-Trimethyl-1-pentanol, pent... | 276          | C11H17F5O2 | 1000365-51-0 | 32   |      |
| 4    | Octane, 2-bromo-                    | 192          | C8H17Br    | 000557-35-7  | 25   |      |
| 5    | .beta.-D-Fructopyranose, 2,3:4,5... | 368          | C17H30B2O7 | 1000156-76-8 | 25   |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

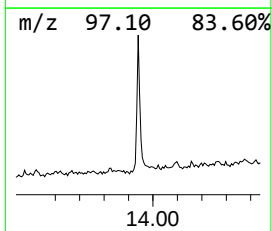
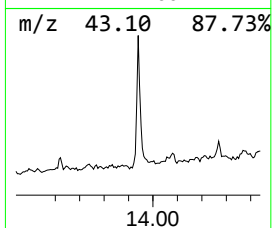
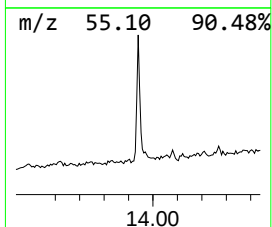
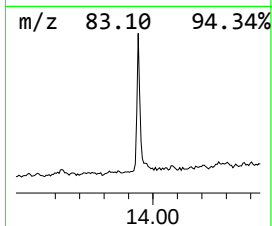
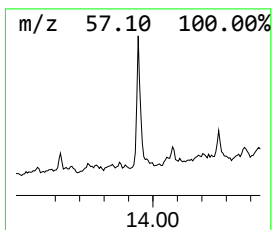
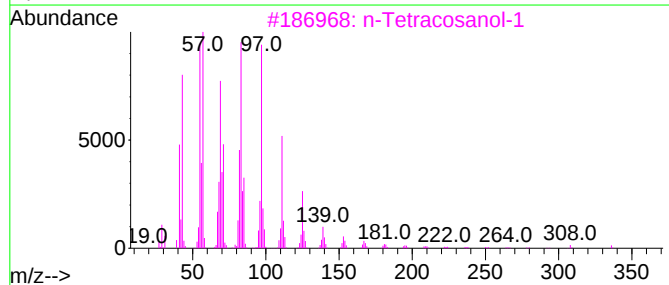
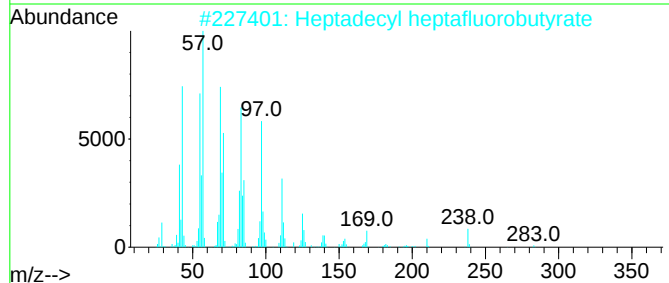
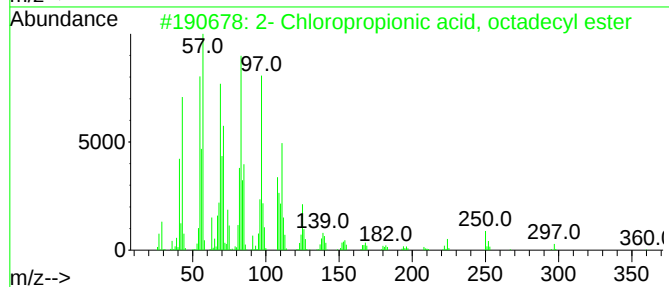
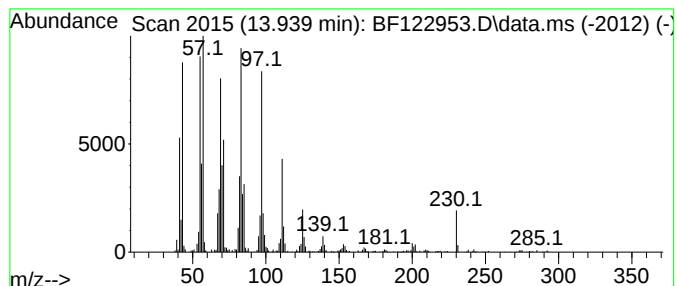
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2- Chloropropionic acid, oc... Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.939 | 5.71 ng | 491372 | Chrysene-d12     | 14.098 |

| Hit# | of                             | 5                                | Tentative ID | MW          | MolForm     | CAS# | Qual |
|------|--------------------------------|----------------------------------|--------------|-------------|-------------|------|------|
| 1    | 2-                             | Chloropropionic acid, octadec... | 360          | C21H41ClO2  | 088104-31-8 | 94   |      |
| 2    | Heptadecyl heptafluorobutyrate | 452                              | C21H35F7O2   | 959085-66-6 | 94          |      |      |
| 3    | n-Tetracosanol-1               | 354                              | C24H50O      | 000506-51-4 | 94          |      |      |
| 4    | Cyclopentadecane               | 210                              | C15H30       | 000295-48-7 | 93          |      |      |
| 5    | 1-Heneicosanol                 | 312                              | C21H44O      | 015594-90-8 | 93          |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010821\  
Data File : BF122953.D  
Acq On : 8 Jan 2021 21:36  
Operator : JU/CG  
Sample : M1044-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11

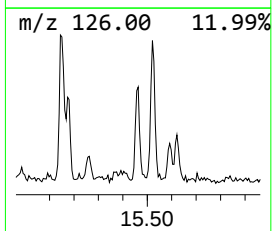
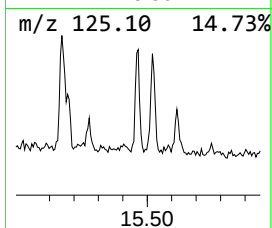
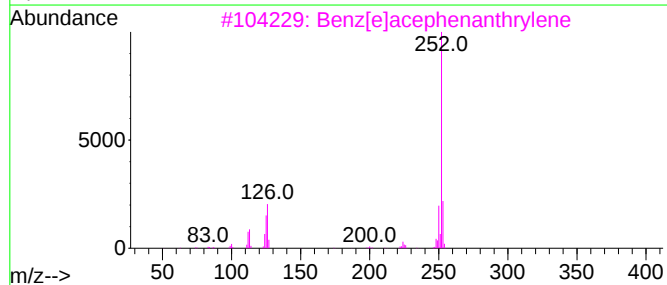
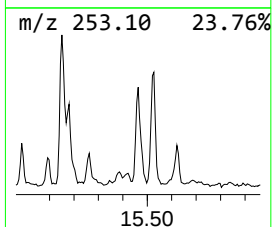
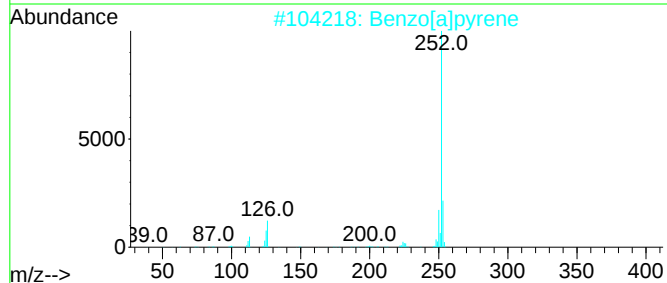
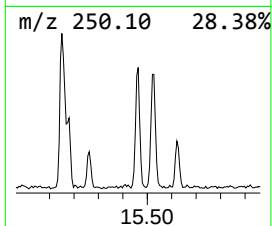
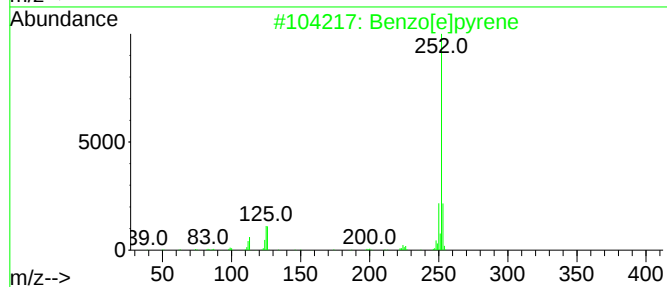
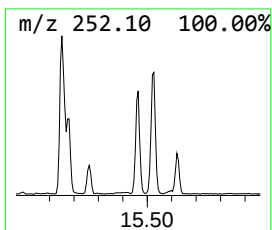
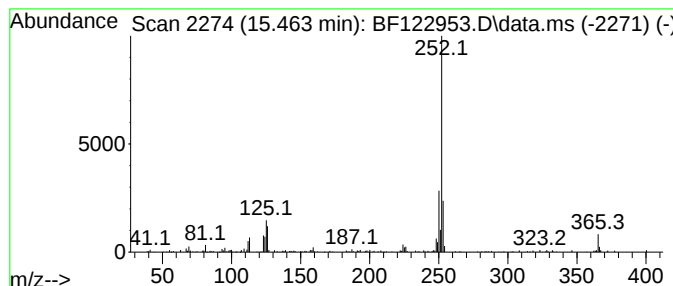
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzo[e]pyrene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.463 | 2.91 ng | 203411 | Perylene-d12     | 15.592 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 98   |
| 3    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 95   |
| 4    |    |   | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 90   |
| 5    |    |   | Perylene                 | 252 | C20H12  | 000198-55-0 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010821\  
Data File : BF122953.D  
Acq On : 8 Jan 2021 21:36  
Operator : JU/CG  
Sample : M1044-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butane, 2-metho... | 2.222  | 11.2    | ng    | 641331   | 1                     | 6.916  | 1149750 | 20.0 |
| 2-Pentanone, 4-... | 5.140  | 8.7     | ng    | 500297   | 1                     | 6.916  | 1149750 | 20.0 |
| 2,4,4,6,6,8,8-H... | 12.439 | 3.5     | ng    | 256489   | 4                     | 11.451 | 1451170 | 20.0 |
| 2- Chloropropio... | 13.939 | 5.7     | ng    | 491372   | 5                     | 14.098 | 1722580 | 20.0 |
| Benzo[e]pyrene     | 15.463 | 2.9     | ng    | 203411   | 6                     | 15.592 | 1396300 | 20.0 |